RESULT LIST

7 results found in the Worldwide database for:

mems or microelectomechanical or "micro electromechanical" in the title AND piezoelectric and (switch or rela title or abstract

(Results are sorted by date of upload in database)

RF MEMS switch and fabrication method thereof

Inventor: PARK JAE-YEONG (KR); LEE HEE-CHUL (KR) Applicant: LG ELECTRONICS INC

EC: H01P1/12D IPC: H01P1/10

Publication info: US2005156694 - 2005-07-21

ELECTRONIC APPARATUS WITH A MICRO-ELECTROMECHANICAL SWITCH MADE OF A PIEZOELECTRIC MATERIAL

Inventor: PELZER HEIKO (DE); STEENEKEN PETER G

(NL); (+1)

EC: H01H57/00

Applicant: KONINKL PHILIPS ELECTRONICS NV (NL); PHILIPS INTELLECTUAL PROPERTY (DE); (+3)

IPC: H01H57/00; H01L41/09

Publication info: WO2005064634 - 2005-07-14

Double micro mirror 2*2 array MEMS photo switch

Inventor: FANG HUAJUN (CN); LIU LITIAN (CN); (+1) Applicant: UNIV TSINGHUA (CN)

IPC: G02B6/32; G02B6/26; (+3)

Publication info: CN1580841 - 2005-02-16

MEMS SWITCH WITH BISTABLE ELEMENT HAVING STRAIGHT BEAM **COMPONENTS**

Inventor: SLICKER JAMES MELVIN; ANANTHA

Applicant: MICROSTAR TECHNOLOGIES LLC (US)

KRISHNAN SURIANARAYANA; (+1)

Publication info: WO2005024868 - 2005-03-17

MICRO ELECTROMECHANICAL SYSTEM SWITCH

Inventor: BUNYAN ROBERT JOHN TREMAYNE (GB);

COMBES DAVID JONATHON (GB); (+1)

EC: H01H57/00; H01H59/00B

Applicant: QINETIQ LTD (GB); BUNYAN ROBERT JOHN

TREMAYNE (GB); (+2)

IPC: H01H59/00; H01H57/00

Publication Info: WO2005022575 - 2005-03-10

Method of enlarging a travel of piezoelectric sensor and MEMS switch employing the same

Inventor: CHOI DOO SUN (KR); LEE TAIK MIN (KR);

Applicant:

IPC: H01H

(+2)

EC: H01H1/00M; H01H57/00

IPC: G02B6/26

Publication info: US2004264878 - 2004-12-30

MEMS OPTICAL SWITCH AND METHOD OF MANUFACTURE

Inventor: COUILLARD JAMES G

Applicant: CORNING INC (US)

EC: G02B6/35E; G02B6/35S

IPC: G02B6/35

Publication info: WO0151973 - 2001-07-19

Data supplied from the esp@cenet database - Worldwide

Searching PCT (Full Text)...

[Search Summary]

Results of searching in PCT (Full Text) for:

(mems or microelectromechanical or "micro electromechanical" or "microelectromechanical") near (switch or relay) and piezoelectric and (contact or contacting or contacts): 64 records

Showing records 1 to 25 of 64:

Next 25 records

Start At

Refine Search (mems or microelectromechanical or "micro electrom

Title

- 1. (WO 2005/103784) SYSTEM AND METHOD FOR PROVIDING FAST, LOW VOLTAGE INTEGRATED OPTICAL ELEMENTS
- 2. (WO 2005/078752) PIEZOELECTRIC THIN-FILM ELECTROMECHANICAL MICROSYSTEM DEVICE [Repub: 20.10.2005]
- 3. (WO 2005/082774) A FABRICATION METHOD FOR MAKING A PLANAR CANTILEVER, LOW SURFACE LEAKAGE, REPRODUCIBLE AND RELIABLE METAL DIMPLE CONTACT MICRO-RELAY MEMS SWITCH, AND A MICROELECTROMECHANICAL DEVICE HAVING A COMMON GROUND PLANE LAYER AND A SET OF CONTACT TEETH AND METHOD FOR MAKING THE SAME
- 4. (WO 2005/078752) PIEZOELECTRIC THIN-FILM ELECTROMECHANICAL MICROSYSTEM DEVICE
- 5. (WO 2005/071767) APPARATUS FOR A HIGH OUTPUT SENSOR SIGNAL AND MANUFACTURING METHOD THEREOF
- 6. (WO 2005/069330) ELECTRO-MECHANICAL MICRO-SWITCH DEVICE
- 7. (WO 2005/064701) ELECTRONIC DEVICE
- 8. (WO 2005/042400) ELECTRONIC DEVICE
- 9. (WO 2005/034287) LOW LOSS RF MEMS-BASED PHASE SHIFTER
- 10. (WO 2005/024868) MEMS SWITCH WITH BISTABLE ELEMENT HAVING STRAIGHT BEAM COMPONENTS
- 11. (WO 2005/023699) FILM ACTUATOR BASED *MEMS* DEVICE AND METHOD
- 12. (WO 2005/022575) MICRO ELECTROMECHANICAL SYSTEM SWITCH.
- 13. (WO 2005/001863) SELF-ASSEMBLING MEMS DEVICES HAVING THERMAL **ACTUATION**
- 14. (WO 2004/095508) MESO-MICROELECTROMECHANICAL SYSTEM PACKAGE
- 15. (WO 2004/051744) MEMS CONTROL CHIP INTEGRATION
- 16. (WO 2004/038848) VARIABLE CAPACITANCE MEMBRANE ACTUATOR FOR WIDE BAND TUNING OF MICROSTRIP RESONATORS AND FILTERS
- 17. (WO 2004/038819) PIEZOELECTRIC SWITCH FOR TUNABLE ELECTRONIC **COMPONENTS**
- 18. (WO 2002/073673) A MICRO-ELECTRO-MECHANICAL SWITCH AND A METHOD OF USING AND MAKING THEREOF [Repub: 08.04.2004]



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Search Results 11/23/2005 - 14:09:25

Search

Query:

((compress <or> compression <or>

Query: (((compress <or> compression <or> shrinking <or> shrinkage)) <in> abstract) <AND> (((piezoelectric <and> (contact <or> contacting) <and> (switch <or> switching <or> contact <or> contacts <or> contacting)) <in> claims)

17 documents out of 1654100 matched your query. Click on its number to view the details of the document.

Note: All document detail pages now appear on a new Browser Window.

| 1. | 2396347 | PIEZOELECTRIC FILM SONIC EMITTER | 80% |
|----|----------------|--|-----|
| 2. | 2282546 | METHOD AND APPARATUS FOR TREATING VENOUS INSUFFICIENCY USING DIRECTIONALLY APPLIED ENERGY | 80% |
| 3. | <u>2469136</u> | SLEEVED ULTRASONIC TRANSDUCER | 77% |
| 4. | 2403562 | VIBRATORY MOTOR AND METHOD OF MAKING AND USING SAME | 77% |
| 5. | 2361833 | LOW PROFILE ACOUSTIC SENSOR ARRAY AND SENSORS WITH PLEATED TRANSMISSION LINES AND RELATED METHODS | 77% |
| 6. | 2345339 | PARAMETRIC LOUDSPEAKER WITH ELECTRO-ACOUSTICAL DIAPHRAGM TRANSDUCER | 77% |
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DROPLET GENERATOR



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Search Results

11/23/2005 - 14:10:48

Search Query:

((mems <or> microelectromechanical

Query: ((mems <or> microelectromechanical <or> (micro <near> electromechanical))) <AND> (((piezoelectric <and> (contact <or> contacting) <and> (switch <or> switching <or> contact <or> contacting))) <in> claims)

6 documents out of 1654100 matched your query. Click on its number to view the details of the document.

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1. 2502450 PROGNOSTIC HEALTH MONITORING OF FLUIDIC SYSTEMS USING MEMS (MICRO-ELECTROMECHANICAL SYSTEMS)

2. 2470085 DUAL MODE FUZE 82%

3. 2497099 INTEGRATED DETONATORS FOR USE 80% WITH EXPLOSIVE DEVICES

4. 2446344 MEMBRANE-LESS MICROPHONE AND/OR 80% SPEAKER CAPABLE OF FUNCTIONING IN A VERY WIDE RANGE OF FREQUENCIES AND WITH MUCH LESS DISTORTIONS

5. 2379936 OPTO-MECHANICAL VALVE AND VALVE 77% ARRAY FOR FIBER-OPTIC COMMUNICATION

6. <u>1275503</u> MICRO MECHANICAL ACTUAL 75% TRANSDUCER HEAD ON A SLIDER

Last Modified: 2002-12-31

Important Notices

[Search Summary]

Results of searching in PCT (Full Text) for:

IN/Choi and piezoelectric: 29 records

Showing records 1 to 25 of 29:

| i j | inal 4 records | Start At |
|---------------|---------------------------|----------|
| Refine Search | IN/Choi and piezoelectric | |

Title

- 1. (WO 2005/078779) IMPRINTING APPARATUS WITH INDEPENDENTLY ACTUATING SEPARABLE MODULES
- 2. (WO 2005/055988) MICROPARTICLES
- 3. (WO 2005/044568) PRINTING HEAD FOR NANO PATTERNING
- 4. (WO 2005/005320) A FERROELECTRIC CERAMIC COMPOUND, A FERROELECTRIC CERAMIC SINGLE CRYSTAL, AND PREPARATION PROCESSES THEREOF
- 5. (WO 2004/110768) PIEYOELECTRIC INK JET PRINTER HEAD AND ITS MANUFACTURING PROCESS
- 6. (WO 2004/086572) TUNABLE EXTERNAL CAVITY LASER WITH ADJUSTABLE CAVITY LENGTH AND MODE-HOP SUPPRESSION
- 7. (WO 2004/055875) METHOD FOR PREPARING FILM STRUCTURE COMPRISING FERROELECTRIC SINGLE CRYSTAL LAYER
- 8. (WO 2004/044651) A CHUCKING SYSTEM AND METHOD FOR MODULATING SHAPES OF SUBSTRATES
- 9. (WO 2004/034730) REMOTE CONTROLLER
- 10. (WO 2004/016406) IMPRINT LITHOGRAPHY PROCESSES AND SYSTEMS
- 11. (WO 2004/013693) SCATTEROMETRY ALIGNMENT FOR IMPRINT LITHOGRAPHY
- 12. (WO 2004/004119) SINGLE CRYSTAL SUBSTRATE AND CUTTING METHOD THEREOF
- 13. (WO 03/104759) SAW SENSOR DEVICE USING SLIT ACOUSTIC WAVE AND METHOD THEREOF
- 14. (WO 03/090937) APPARATUS AND METHOD OF FABRICATING SMALL-SCALE DEVICES
- 15. (WO 03/062824) LATERAL FLOW QUANTITATIVE ASSAY METHOD AND STRIP AND LASER-INDUCED FLUOERESCENCE DETECTION DEVICE THEREFOR
- 16. (WO 03/060425) OPTICAL APPARATUS FOR MEASURING THE TWO AND THREE-DIMENSIONAL SHAPE OF AN OBJECT
- 17. (WO 02/086602) MICRO-ACTUATOR AND MICRO-DEVICE USING THE SAME
- 18. (WO 01/086735) INTELLIGENT SWITCH FOR BATTERY [Repub: 19.09.2002]
- 19. (WO 02/067055) TEMPLATE FOR ROOM TEMPERATURE, LOW PRESSURE MICRO- AND NANO-IMPRINT LITHOGRAPHY
- 20. (WO 02/24063) IMPROVED SYSTEM AND METHOD FOR DETERMINING TISSUE CONTACT OF AN IMPLANTABLE MEDICAL DEVICE WITHIN A BODY
- 21. (WO 02/17383) FLEXURE BASED MACRO MOTION TRANSLATION STAGE
- 22. (WO 02/10721) METHODS FOR HIGH-PRECISION GAP AND ORIENTATION SENSING

| | Туре | L # | Hits | Search Text | DBs | Time Stamp | Comment |
|---|------|-----|------|--|--|----------------------|---------|
| 1 | IS&R | L1 | 1607 | (310/328).CCLS. | USPAT | 2005/11/2 3 13:24 | |
| 2 | IS&R | L2 | 335 | (310/328).CCLS. | US- PGPUB | 2005/11/2 3 13:28 | |
| 3 | IS&R | L3 | 129 | (310/328).CCLS. | 1 | 2005/11/2 3 13:31 | |
| 4 | IS&R | L4 | 96 | l l | US- PGPUB; EPO; JPO; DERWE NT; IBM_T | 2005/11/2 3 13:33 | |
| 5 | IS&R | L5 | 516 | (310/330).CCLS. | USPAT | 2005/11/2 3 13:37 | |
| 6 | BRS | L6 | 297 | piezoelectric adj3 (relay or switch) same contact\$3 | US- PGPUB; USPAT; USOCR; EPO; DERWE NT; IBM_T DB | 2005/11/2 3 13:38 | |

| 7 | BRS | L7 | 703 | (mems or microelectromechanical or "micro electromechanical" or "micro- electromechanical") same (switch or relay) and piezoelectric | US- PGPUB; USPAT; USOCR; EPO; DERWE NT; IBM_T DB | 2005/11/2 3 13:51 | |
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|---|------|-----|------|------------------|-------|----------------------|--------------|
| 8 | BRS | L8 | 0 | Choi-doo-sun.in. | USPAT | 2005/11/2 3 14:20 | |
| 9 | BRS | L9 | 0 | Choi-doo.in. | USPAT | 2005/11/2 3 14:20 | |